

· 7 ?

Figure 1

M S D K K G V P A R E L P E T P S W A V ATGTCGGACAAAAAGGGGTGCCGGCGCGGGGGGCGCGGGGGGGG	60
A V V F A A M V L V S V L M E H G L H K GCGGTGGTCTTCGCCGCCATGGTGCTCGTGTCCGTCCTCATGGAACACGGCCTCCACAAG	120
L G H W F Q H R H K K A L W E A L E K M CTCGGCCATTGGTTCCAGCACCGGCACAAGAAGGCCCCTGTGGGAGGGCGCTGGAGAAGATG	180
K A E L M L V G F I S L L L I V T Q D P AAGGCGGAGCTCATGCTGGTGGGCTTCATATCCCTGCTCCTCATCGTCACGCAGGACCCC	240
I I A K I C I S E D A A D V M W P C K R ATCATCGCCAAGATATGCATCTCCGAGGATGCCGCCGACGTCATGTGGCCCTGCAAGCGC	300
G T E G R K P S K Y V D Y C P E G K V A GGCACCGAGGCCGCAAGCCCAGCAAGTACGTTGACTACTGCCCGGAGGGCAAGGTGGCG	360
L M S T G S L H Q L H V F I F V L A V F CTCATGTCCACGGGCAGCTGCACGTCTTCATCTTCGTGCTCGCGGTCTTC	420
H V T Y S V I T I A L S R L K M R T W K CATGTCACCTACAGCGTCATCACCATAGCTCTAAGCCGTCTCAAAATGAGAACATGGAAG	480
K W E T E T T S L E Y Q F A N D P A R F AAATGGGAGACAGAGACCACCTCCTTGGAATACCAGTTCGCAAATGATCCTGCACGGTTC	540
R F T H Q T S F V K R H L G L S S T P G CGGTTCACGCACCAGACGTCGTTCGTGAAGCGCCACCTGGGCCTCTCCAGCACCCCTGGC	
I R W V V A F F R Q F F R S V T K V D Y ATCAGATGGGTGGCCTTCTTCAGGCAGTTCTTCAGGTCAGCCAAGGTGGACTAC	660
L T L R A G F I N A H L S Q N S K F D F CTGACCTTGAGGGCAGGCTTCATCAACGCGCATTTGTCGCAAAACAGCAAGTTCGACTTC	
HKYIKRSMEDDFKVVGISL	720
PLWGVAILTELDINGVGTL	780
CCGCTGTGGGGTGTGGCGATCCTCACCCTCTTCCTTGACATCAATGGGGTTGGCACGCTC I W I S F I P L V I L C V G T K L E M	840
ATCTGGATTTCTTCATCCCTCTCGTGATCCTCTTGTGTGTG	900
ATCATCATGGAGATGGCCCTGGAGATCCAGGACCGGGCGAGCGTCATCAAGGGGGCCCCCC	960
GTGGTCGAGCCAGCAACAAGTTCTTCTGGTTCCACCGCCCCGACTGGGTCCTCTTCTTC	1020
I H L T L F Q N A F Q M A H F V W T V A ATACACCTGACGTTGTCCAGAACGCGTTTCAGATGGCGCATTTTGTGTGGACAGTGGCC	1080
T P G L K K C Y H T Q I G L S I M K V V ACGCCCGGCTTGAAGAAATGCTACCACACGCAGATCGGGCTGAGCATCATGAAGGTGGTG	1140
V G L A L Q F L C S Y M T F P L Y A L V GTGGGGCTAGCTCCCCTCTACGCGCTCGTC	1200
T Q M G S N M K R S I F D E Q T S K A L ACACAGATGGATCAAAAAAAAAAAAAAAAAAAAAAAAAA	1260
T N W R N T A K E K K K V R D T D M L M ACCAACTGGCGGAACACGGCCAAGGAAGAAGAAGAAAGTCCGAGACACGGACATGCTGATG	1320
A Q M I G D A T P S R G S S P M P S R G GCTCAGATGATCGGCGACGCAACACCGAGCCGAGGCTCGTCGCCGATGCCGAGCCGGGG	ነ ነጻብ

Figure 2

Figure 2 (Continued)

											_		-	_		_	-	_		
FCA	TCA	CCC	GTG	CAC	CTG	CTT	CAC	AAG	GGC	ATG	GGG	CGG	TCG	GAC	GAC	CCC	CAG	AGC	:GCG	1440
		-																		
Þ	T	S	P	R	${f T}$	Q	Q	E	A	R	D	M	Y	B	V	V	V	A	H	
CCC	CACC	TCG	CCA	AGG	ACC	CAG	CAG	GAG	GCT	AGG	GAC	ATG	TAC	CCG	GTT	GTG	GTG	GCG	CAC	1500
																			-	
P	V	H	R	L	N	P	N	D	R	R	R	S	A	S	S	S	Α	L	Ē	
																			GAA	1560
																			.0121	2000
A	D	I	P	S	A	D	F	S	F	S	0	G	*							
	CAC														16	02				

Figure 3

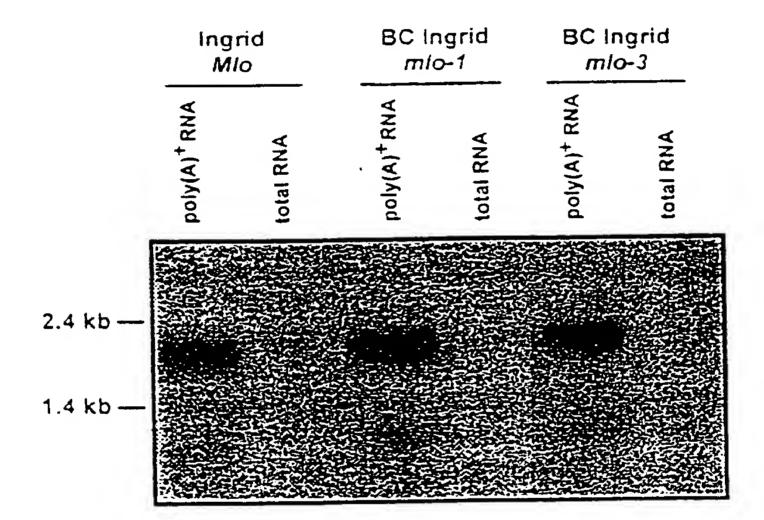


Figure 4

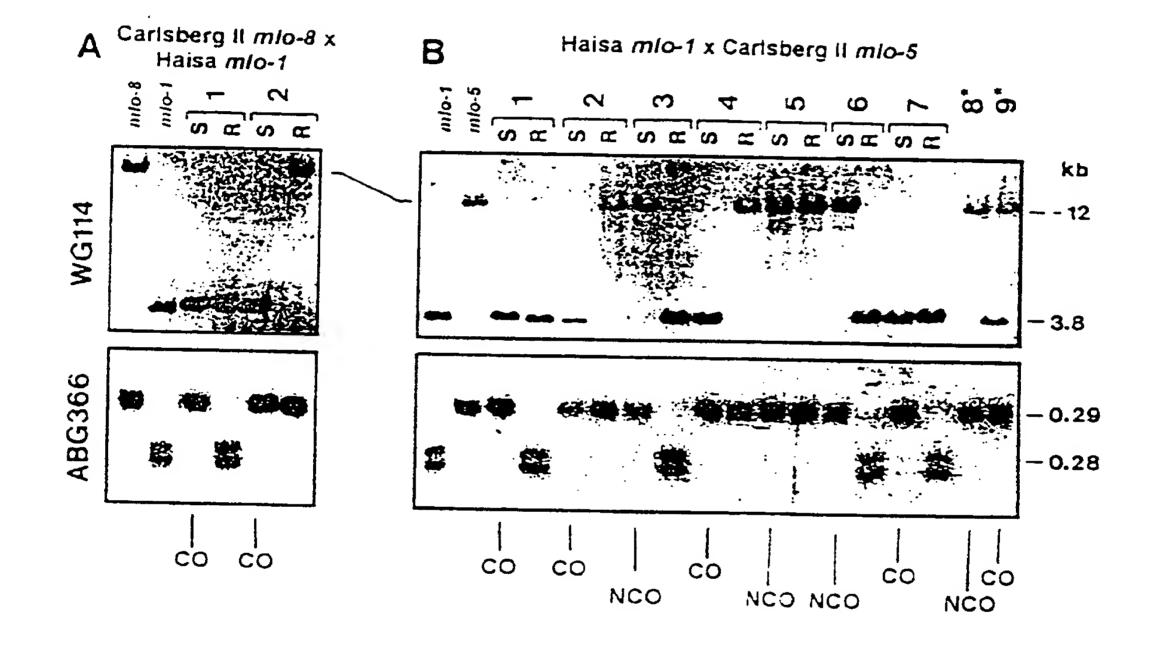


FIGURE 5

292 GCGGAGCTCATGCTGGTGGGCTTCATATCCCTGCTCCTCATCGTCACGC	A 341
80 GCANAGCTGATGCTGCGTGGCTTCATNTCCCTGCTTCTCACCGTGGCAC	1 A 129
342 GGACCCCATCATCGCCAAGATATGCATCTCCGAGGATGCCGCCGACGTC	391
130 GGCGCCCATCTCCAANATCTGCATCCCCAAGTCGGCTGCCAACATC	176
392 TGTGGCCTGCAAGCGCGCACCGAGGGCCGC AAGCCCAGCAAGTACG	
177 TGTTGCCGTGCAAGGCAGGCCNAGATGCCATCGAAGAANAAGCAGCAAGT	226
441 TGACTACTGCCCGGAGGTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC	
227 GGTCNCCNGTCC.TTGGCCGGCGCGCGGGGGGGGGGGGGG	
491 TGATGAAGAAATCAATACCGAACTTTTTCTTGTTTTCT	
529 TCTGATTGTCGTCTTGGCTTGGCTTAATTGGTGTGTGTGT	578
326 ACTNATTTAACTATAATTGATTTTCTTGGGTTTTCTGC	364
579 AGGGCAAGGTGGCGCTCATGTCCACGGGCAGCTTGCACCAGCTGCACGTC	628.
365 AGGCAAGGTGGCGCTGATGTCGGCAAAGAGCATGCACCAGCTGCACATT	414
629 TTCATCTTCGTGCTCGCGGTCTTCCATGTCACCTACAGCGTCATCACCAT	
415 TTCATCTTCGTGCTCGCCGTGTTCCATGTTACCTACTGCATCACCAT	
AGCTCTAAGCCGTCTCAAAGTGAGCCTTTGCTTCTT	
724 CTTTTACCGCACGTCTGTCTGTCAGGCGTACCTACCTGTTCA	765
515 GTTTTCTCTAGTTCTAGCAANATTGTCAGTCCTTCAAATGGATTGTTTCG	564
766 TCAGGCTTGAGTAAAACTGTTCCATAATCTGCTCCGGCATAA	
65 ACAAGAAACCCAATTTATTAATTTGCCAGTTAAATATATAATAA	
308 TCCTCTCCTGCAGATGAGAACATGGAAGAAATGGGAGACAGAG	
TIGATCTTCTTGGTTTTAGATGAAGAAATGGAAGAAGTGGGAGTCACAG	
ACCACCTCCTTGGAATACCAGTTCGCAAATGGTCAGGATCCCCCACTCTG	
559 ACCAACTCATTGGAGTATCAGTTCGCAATCGGTAGTGAATTAA	
004 CAATCTCCCCTTCTTCGAAACCAAACCTGATGATCCATTTAAA	
02 GAATCTCCCTAACTATTTCATTTCAGAACCTTTATGATAATGTCTTGAAA	
47 GACGCAGGCACGATCAGAGTGAGTGAACTGATGTATGTTCATTTTTTGTG	
97 TCCTTTCAGATCCTGCACGGTTCCGGTTCACGCACCAGACGTCGTTCGT	
	J J J

FIGURE 5 c nt'd

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1047	AAGCGCCACCTGGG CCTCTCCAGCACCCCTGGCATCAGATGGGTGGT	1093
836	AAGCGGCATCTGGGATCATTCTCAAGCACCCCTGGGCTCAGATGGATCGT	885
	GAGTTTTTTAGCTTCTTATCTGCCCCTCATCTGTGTAATGTT	
	GAGTTATCAATCTCCGAATACATGCTTGTTTTTTATTCTTGCA	
	TGGCGTATGGAGTCAGGTGATTTACCTT	
	ACTGGCCTAGCTGTTCCAATTCAATCCATATTTTTTGAAAAAAAA	
	GCCTGTGATGTTTGTCTGTCAGGTGGCCTTCTTCAGGCAGTTCTTC	
	TCATGCCGTGTTTGTTGTTAGGTAGCATTCTTCAGGCAGTTCTTT	
	AGGTCACCAAGGTGGACTACCTGACCTTGAGGGCAGGCTTCATCAA	
	GGGTCCGTCACCAAGGTGGACTACCTGACCATGCGGCAAGGCTTCATCAA	
	CGTACGTGCCTCCCCTTCTAGCTCCGCCATTGCTGCCGCGATGTAG	
	TGTATATACTAATCAAACCTGACCAATTCAACATTGATGATGC.AAACAG	
	CAGCAAAGCTTCTCAAGTTATCCTTCTGACGCTAAAGTTCCCA	
	AAGACCAGGTTTTTTTTTCCGAGTTGTGCAT.TGAAGTTAATG	
	TGTTTTTCCTCAAATTATTCTGCGCAGGCG_CATTTGTCGCAAAACAGC	
	AAGTTCGACTTCCACAAGTACATCAAGAGGTCGATGGAGGACGACTTCAA	
	AAGTTCGACTTCCACAAATACATCAAGAGGTCTTTGGAGGACGACTTCAA	
1454	GGTCGTCGCCATCAGGTACGTTCCATTCCTTCCTCTGCACCACCACCA	1503
1262	AGTTGTCGTTGGCATCAGGTCCGTCCTCGCTTT	1294
1504	CACCCCATGGATAGATTTTAACAATTGCTGTCAGGTTCCACATGATAACA	1553
1295	ATTAATTATAGGACTCTTATATTCAACATTTTTTTT	1330
	ATATACTATGA.ACTTGGTCTTTGCTCCTTGTCCTTGCACGATCA	1597
1331 (ATAAAGAAACATATTTAGTCTCCAGTTGTGTATGTGTATGTGGATCT	1377
	TGACACATTTGGCCTGTTTTCGCAGCCTCCCGCTGTGGGGTGTGGCGATC	1647
	TGACACATTTGG.CTGGTTTTGCAGCCTCCCTCTGTGGTTCGTCGGAATC	1426
1648	CTCACCCTCTTCCTTGACATCAATGGTATGGACCTTCTCCTCTCCGGTTT	1697
1427 (CTTGTACTCTTCCTCGATATCCACGGTAATCCTTGTCCTATTT	1469
1698 (CTCTATTGCTTTGCAGCTAAATAAAACACTTGCAATTCGTCTCGTGATCA	1747
1470 (CATTCTTTTTTTTACTCTCAAAACCTTGTTCTGAATTGGTCTTATAATCA	1519
1748 (CCGCTCATTTTTCAACCATTTCTTTTTTCTACTCATAGGGGTTGGCACGCT	1797
1520	CCATCGATTTTTTTCAACTT.TTTCCCCGCGTGTAGGTCTTGGCACACT	1568
1798	CATCTGGATTTCTTCATCCCTCTCGTGGTAAGTGC.AGATTTCTCC.AT	1845
1569	TATTTGGATCTCTTTTGTTCCTCTCATCGTAAGAGCGAAATTTCCCCTGT	1618

FIGURE 5 cont'd

	CGAAAGCAACAGCAAACCCAATTTGATCGCAAT	
1619	CCARAGAAACAGTTAACATAATTAATTATGCTTTAATTTATCATGAAAAT	1668
1879	GGAAACCCACACCTAATATTAACTCAAAATGTCAATTGTCGGTGCGTCTT	1928
1669	TAATATGATCATATAACTAATGAACAAACATTCATGTGAATGCCACCG	1716
1929	CCTCAACAGATCCTCTTGTGTGTTGGAACCAAGCTGGAGATGATCATCAT	1978
1717	TTGTCTCAGATCGTCTTGTTAGTTGGGACCAAGCTAGAGATGGTGATCAT	1766
1979	GGAGATGGCCTGGAGATCCAGGACCGGGCGAGCGTCATCAAGGGGCCCC	2028
1767	GGAGATGGCCCAAGAGATACAGGACAGGGCCACTGTGATCCAGGGAGCAC	1816
2029	CCGTGGTCGAGCCAGCAACAAGTTCTTCTGGTTCCACCGCCCCGACTGG	2078
1817	CTATGGTTGAACCAAGCAACAAGTACTTCTGGTTCAACCGCCCTGACTGG	1866
2079		2107
1867	GTCTTGTTCTTCATACACCTGACACTCTTCCCATGTACATGTTTAAAACC	1916
	•	
	•	
2108	CCAGAACGC GTTTCAGATGGCGCATTTTG	2136
2017	GACGGACGGATCGATCACCAGAACGCATTTTCAGATGGCGCATTTCG	2066
2137	TGTGGACAGTGGTACGCCACCGATGAACTTGTCAGTT	2173
2067	TATGGACTATGGTGTATGCTACTTGCTTAGTTGTTGCCATTATCAGTT	2116
2174	AACATGGGTGTCAAGGCACCGAGTGCCGCTGATGA	2208
2117	CTTAAGCAAATTAAGTGTGATGCATGCACTGACTAATGAGACAA	2160
2209	ACTGCTCTGACGGAGATTTACTTGTGTTGTAGGCC	2243
2161	AAAATGACACAGCTTGTTCATCGATCTGGTTGTTTTTGTGTGACAGGCA	2210
2244	ACGCCCGGCTTGAAGAAATGCTACCACACGCAGATCGGGCTGAGCATCAT	2293
2211	ACACCTGGTCTGAAGAAATGCTTCCATGAAAATATTTGGCTGAGCATCGT	2260
2294	GAAGGTGGTGGGGGCTAGCTCTCCAGTTCCTCTGCAGCTATATGACCT	2343
2261	GGAAGTCATTGTGGGGATCTCTCTTCAGGTGCTATGCAGCTACATCACCT	2310
2344	TCCCCCTCTACGCGCTCGTCACACGGTAATAAAACCGTCCAGGAA 2389	•
2311	TCCCGCTCTACGCGCTCGTCACACAGGTGAACAAGCCATTCACAAA 2356	5

FI	GURE	6
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295	GAGCTCATGCTGGTGGGCTTCATATCCCTGCTCCTCATCGTCACGCAGGA	344
1	:	50
345	CCCCATCATCGCCAAGATATGCATCTCCGAGGATGCCGCCGACGTCATGT	394
51	TCCCGTCTCCAGGATCTGCATCTCCAAGGAGGCCGGCGANAANATGC	97
395	GGCCCTGCAAGCGCGGCACCGAGGGCCGCAAGCCCA	430
98		147
431	GCAAGTACGTTGACTACTGCCCGGA	455
	CACCGGAGGCTTCTCTGGCTCCAAGGCGANAGCGANACCCACCGCCGGTT	197
456	GGTGAGCAGAGCCCGGACCAG	479
198	CCTG.GCTGCCCGGCCGGANTGGACGTCTGCGCCAAACAGGTGAGCACC	246
480	CAGCTTCACGATGATGAAGAAA.TCAATACCGAACTTTTTCTTCTT	528
247	TANCGTCNCCACAAACCACAAACTANCTAATGAGCATGGACCTGAATTTC	296
•	TCTGATTGTCGTCTTGGCTTGGCTTAATTGGTGTGTGTGT	• •
297	TTCTCTTCTTGGCTTGACTAAATTGGTTGTGC	333
579	AGGCAAGGTGGCGCTCATGTCCACGGCAGCTTGCACCAGCTGCACGTC	628
334	ACGGCAAGGTGGCGCTGATGTCNNCGGGAANCATGCACCAACTGCACATA	383
629	TTCATCTTCGTGCTCGCGGTCTTCCATGTCACCTACAGCGTCATCACCAT	678
384	TTCATCTTCGTGCTCGCCGTCTTCCACGTCTTGTACAGCGTCGTCACCAT	433
679	AGCTCTAAGCCGTCTCAAAGTGAGCCTTTGCTTCTTCTTCTTTTT	728
434	GACCCTAAGCCGTCTCAAAGTGAGCATCATACTC	467
729	ACCGCACGTCTGTCAGGCGTACCTACCTGTTCATCAGGCTTGAGTA	778
468		508
779	AAACTGTTCCATAATCTGCTCCGGCATAATCCTCTCCTGCAGATGAG	828
509	AAGCTGGCACTGATCCTGCTCCGGCTTCCTGCAGATGAA	547
829	AACATGGAAGAAATGGGAGACAGAGACCACCTCCTTGGAATACCAGTTCG	878
548	GCAATGGAAGAGTGGGAGTCGGAGTATCAGTTCG	597
	CAAATGGTCAGGATCCCCCACTCTGCAATCTCCCCTTCTTCGAAACCAAA	
598	CGAATGGTCAGCTTCAACTTTTCTTACTGAAA	629
929	CCTGATGATCCATTT AAAGACGCAGGCACGATCA GAGTGAGT	970
630	CCGGATGCATTTACAACAAACGCACGCACGATCAATCATCACAGTGT	676
971	GAACTGAT.GTATGTTCATTTTTTGTGTCCT.TTCAGATCC.TGCACGG	1016
677	GAGCCGATACGTTGAACCCGATTGAAATCCTCCGCAGATCCCATCGCCGG	726

FIGURE 6 c nt'd

	TTCCGGTTCACGCACCAGACGTCGTT_CGTGAAGCGCCACCTGGGCCTCT	106
	GCCGGTTCACGCACCAGACGACGTTGGGTGAGGCGGCACCTGGGCCTCT	776
	CAGCACCCCTGGCATCAGATGGGTGGTGAGTTTTTTAGCTTCTTATCTG	
777 0	CAGCACCCCGGCGTCAGATGGGT	801
1166 G	CCTGTGATGTTTGTTGCCTTGTCAGGTGGCCTTCTTCAGGCAGTTCTTC	1215
802 .		826
1216 A	GGTCAGTCACCAAGGTGGACTACCTGACCTTGAGGGCAGGCTTCATCAA	1265
827 A	CGTCGGTGACCAAGGTGGACTACCTGACCTTGCGGCAGGGCTTCATCAA	876
1266 <u>C</u>	GTACGTGCCTCCCCTTCTAGCTCCGCCATTGCTGCCGCGATGTAGCAGC	1315
877 C	·····	877
1366 C	AAATTATTCTGCGCAGGCGCATTTGTCGCAAAACAGCAAGTTCGACTTC	1415
878		 910
	ACAAGTACATCAAGAGGTCGATGGAGGACGACTTCAAGGTCGTCGTCGG	
Į (
	ATCAGGTACGTTCCATTCCTTCCTCTGCAC	1506
		1010
1507 CC	CATGGATAGATTTAACAATTGCTGTCAGGTTCCACATGATAACAATA	1556
1011 C	:	1045
L557 TA	CTATGAACTTGGTCTTTGCTCCTTGCACGATCATGACACATT 1	1606
	C.AAGTGCCGGTACGTACGTCTCATATGATCTTGACACATC	1091
	GCCTGTTTTCGCAGCCTCCCGCTGTGGGGTGTGGCGATCCTCACCCTC	1656
* *	TCCTCTTGCCGCAATCTCAAGCTCTGGTTCGTGGCGGTCCTCATCCTC	1141
	CCTTGACATCAATGGTATGGACCTTCTCC.TCTCCGGTTTCTCTATTG	1705
.142 TT	CCTTGATTTCGACGGTAGCCGCCTTGTCCATGCCCTGCTCGCCCTCTC 1	191
	TTGCAGCTAAATAAAACACTTGCAATTCGTCTCGTGATCACCGCTCAT	
.192 CT	CCGCTTCTCCATAATTTGTG.AACTTGTCCCGTAT 1	
Į.	TTCAACCATTTCTTTTTCTACTCATAGGGG_TTGGCACGCTCATCTGG 1	
	'AACCACACCACGTCGTCTTCTCGCAGGGGATCGGCACTCTTCTCTGG 1	
1.1	TTCTTTCATCCCTCTCGTGGTAAGTGCAGATTTCTCCATCGAAAGCAA 1	
.280 AT	GTCCGTGGTTCCTCGTGGTAAGTCCACAATTTGAATAGA 1	
11	GCAAACCCAATTTGATCGCAATGGAAACCCACACCTAATATTAACTCA 1	
	ACCTGTCCAATTGTGATGTACAGTACCTCCAAACTTAA TTA 1	365

1905	AAATGTCAATTGTCGGTGCGTCTTCCTCAACAGATCCTCTTGTGT	1949
1366	ACATGTCATTTGCTGATGTCTTGCGTGTAACATTAGATCCTCTTGTGG	1413
1950	GTTGGAACCAAGCTGGAGATGATCATCATGGAGATGGCCCTGGAGATCCA	1999
1414	GTTGGGACCAAGCTGGAGATGGTGATCATGGAGATGGCCCAGGANATCCA	1463
2000	GGACCGGGCGAGCGTCATCAAGGGGGCCCCCGTGGTCGAGCCCAGCAACA	2049
1464	TGACCGGGAGAGCGTCGTCAAGGGTGCTCCCGCCGTCGAGCCCAGCAACA	1513
2050	AGTTCTTCTGCTTCCACCGCCCCGACTGGGTCCTCTTCTTCATACACCTG	2099
1514	AGTACTTCTGGTTCAACCGGCCTGACTGGGTCCTCTTCCTCATGCACCTC	1563
2100	ACGTTGTTCCAGAACGCGTTTCAGATGGCGCATTTTGTGTGGACAGTGGT	2149
1564	ACACTCTTCCAGAACGCGTTTCAGATGGCTCATTTCGTGTGGACAGTGGT	1613
2150	ACGCCACCGATGAACTTGTCAGTTAACATGGG	2181
1614	:	1660
	•	
2182	TGTCAAGGCACCGAGTGCCGCTGATGAACTGCTCTGACGGAG	2223
	GACACAAAACTCAACCCGCGCGGTAGCAAACGAACGTTTTTCCGTAC	
2224	ATTTACTTG	2232
1761	GTTTTCGTCCGCTTTCGCCCCATCCCAGCCCAAATTCGTTGACGTTGTTG	1810
2233	TGTTGTAGGCCACGCCCGGCTTGAAGAAATGCTACCACACGCAGATCGGG	2282
1811	CATCGCAGGCCACGCCCGGCTTGAAGAAATGCTACCACGAGAAAATGGCA	1860
2283	CTGAGCATCATGAAGGTGGTGGTGGGGGCTAGCTCTCCAGTTCCTCTGCAG	2332
1861	ATGAGCATCGCCAAGGTCGTGCTGGGGGTAGCCGCCCAGATCTTGTGCAG	1910
2333	CTATATGACCTTCCCCCTCTACGCGCTCGTCACACAGGTAATAAAACCGT	2382
1911	TACATCACCTTCCCGCTNTACGCGCTCGTCAC	1943
	•	
	•	
	AATCATCTGTGTGTGCTGGCTTTGTATGCAGATGGGATCAAACATGAAGA	
1944		1966
2483	GGTCCATCTTCGACGAGCAGGCAGGCAGGCAGGCAGGCAG	2531
1967		2016
2532	CACGGCCAAGGAGAAGAAGTCCGAGACACGGACATGCTGATGGCTC	2581
2017	GATGGCCAAGGAGAAGAAGACCCCGAGACGCGGCCATGCTGATGGCGC	2066
2582	AGATGATCGGCGACGCAACACCGAGCCGAGGCTCGTCGCCGATGCCGAGC	2631
2067	AGATGGGCGGCGCGACGCCGAGCGTCGCCTNGTCGCCG	2107

FIGURE 6 cont'd

2632	CGGGGCTCATCACCCGTGCACCCCGTGCACCCGTGCACCCGTGCACCCGTGCACCCGTGCACCCACC	
		2142
2108	GTGCACCTGCTCCACAAGGCCGGGCGCGGTCCGA	2142
		2721
2682	CGACCCCAGAGCGCCCCACCTCGCCAAGGACCCAGCAGGAGGCTAGGG	2131
21.42	CGACCCCAGAGCGTGCCGGCGTCCCCGAGGGCCGAGAAGGAAG	2192
2143	CGACCCCAGAGCGTGCCGGCGTCCCCGACGCGCGTCGCGCGCG	
2732	ACATGTACCCGGTTGTGGTGGCGCACCCGGTGCACAGACTAAATCCTAAC	2781
2193	GC. GTGCAGCATCCGGCGCGCAAGGTACCTCCTTGT	2227
2782	GACAGGAGGAGGTCCGCCTCGTCGTCGCCCTCGAAGCCGACATCCCCAG	2831
2228	GACGGGTGGAGGTCGGCCTCGTCGCCGGCGCTCGACGCTCACATCCCCGG	2211
	CACCONTICACION ACTUTOTO	2971
2832	TGCAGATTTTTCCTTCAGC CAGGGATGAGACAAGTTTCTG	2011
0000	TGCAGATTTTGGCTTCAGCACGCAACGTTGACCGATCAGACAAGTTCCTT	2327
2278	TGCAGATTTTGGCTTCAGCACGCAACGTTGACCGATCAGACGTTGCCTT	·
2872	TATT 2875	
4012	I II	• •
2328	TTTT 2331	

Figure 7

Figure		
	GGCTGCTCCGCCAGCAAACCAGACAGCAGCGTACCTGCGT	
	ACGTAGCGTGCGCTTTCTTTTTTTTCCTTTCGCCTCTCTTGCTTGCTCCGGCCGGCCACG TCGATAGCCGGCCACGGCCACGCCAC	
	CCTGGTAGAGGCGGCCGTCTGCTTGCTCCGGGCAAGGAAGG	
boliv I	M S D K K G V P A R E L P E T P S WCANGE ATGTCGGACAAAAAAGGGGTGCCGGCGGGAGCTGCCGGACACGCCGTCGTGGGCGGTG	20 60
helix I	A PROVINCE FOR A . A . M V L V S V L M E H G L H K GCGGTGGTCTTCGCCGCCATGGTGCTCGTCCTCATGGAACACGGCCTCCACAAG	46 120
	L G H W F Q H R H K K A L W E A L E K M CTCGGCCATTGGTTCCAGCACCACGCCACAAGAAGGCCCCTGTGGGGAGGCGCTGGAGAAGATG	60 180
helix II	AAGGCGGAGCTCATGCTGGTGGGCTTCATATCCCTGCTCCTCATCGTCACGCAGGACCCC	80 240
	INCIPATION CHILD CHILD E D A A D V N W P C K R ATCATCGCCAAGATATGCATCTCCGAGGATGCCGCCGACGTCATGTGGCCCTGCAAGCGC	100 300
	G T E G R K P S K Y V D Y C P E G K V A GGCACCGAGGGCCAAGCCCAGCAAGTACGTTGACTACTGCCCGGAGGGCAAGGTGGCG	120 360
helix III	L M S T G S L H Q L H V F4 I F V COLLA A COVER CTCATGTCCACGGGCAGCTTGCACCACGTCTTGATCTTCGTGCTCGCGGTCTTC	140 420
	H V T T S V I T I A L S R L K M R T W K CATGTCACCTACAGCGTCACACATGGGAAG CATGTCACCTACAGCGTCACACATGAGAACATGGAAG	160 480
	K W E T E T T S L E I Q F A N D P A R F AAATGGGAGACAGAGACCACCTCCTTGGAATGATCCTGCACGGTTC	540
	R F T H Q T S F V X R H L G L S S T P G CGGTTCACGCACCAGGACGCCCTGGC	
	I R W V V A F F R Q F F R S V T K V D Y ATCAGATGGGTGGTGGTCTTCAGGTCAGTCACCAAGGTGGACTAC L T L R A G F I N A H L S Q N S X F D F	220 660
	E K Y I K R S M E D D F K V V V G V I STOLL	240 720 260
helix IV	CACAAGTACATCAAGAGGTCGATGGAGGACGACTTCAAGGTCGTCGTCGGCATCAGCCTC	780 280
helix V	CCGCTGTGGGGTGTGGCGATCCTCACCCTCTTCCTTGACATCAATGGGGTTGGCACGCTC	840 300
	I I M E M A L E I Q' D R A S V I K G A P	900
	V V E P S N K F F W F H R P D W V L F F	960 340
	I H L T L F Q N A F Q H A H F V W T V A	1020 360
	T P G L K K C Y H T Q I G L S I M K V:2V	1080 380
helix VI	ACGCCCGGCTTGAAGAAATGCTACCACACGCAGATCGGGCTGAGCATCATGAAGGTGGTG V=G-L-A-A-A-Q-F-L-C-S-I-H-T-F-P-L-Y-A-L-SV	400
-	T Q M G S N M X R S I P D E Q T S X A L	420
	T N W R N T A K E K X X V R D T D M L M	440
	ACCAACTGGCGGAACACGGCCAAGGAGAAGAAGAAGTCCGAGACACGGACATGCTGATG A Q M I G D A T P S R G S S P M P S R G	460
	S S P V II L L H X G M G R S D D P Q S A	480
	P T S P R T Q Q E A R D M Y P V V V A H CCCACCTCGCCAGGGCCCCAGGGGGGGGGGGGGGGGGGG	500
	P V H R L N P N D R R R S A S S A L E CCGGTGCACAGACTAAATCCTAACGACAGGAGGAGGTCCGCCTCGTCGTCGCCCTCGAA	1500 520 1560
	A O I P S A D F S F S Q G * GCCGACATCCCCAGTGCAGATTTTTCCTTCAGCCAGGGATGAGACAAGTTTCTGTATTCA	1360
	TGTTAGTCCCAATGTATAGCCAACATAGGATGTGATGATTCGTAC <u>AATAAG</u> AAATACAAT	
	TTTTTACTGAGTC	

Figure 8

1	GAATTCAATT AAGGACAACA	ACGGATGATA	GGCTTAAGCT	AGAGAGGATT
51	CATATGGATT AATTAACTGT	ACTTAAGTTG	AGGTAAAACT	CTATCGATTG
101	CTTTGGACAC CGGCTCTCCC	ATGATCTGCC	AAGTTGAGCC	GGCCTACCTA
151	ATTTTCTTCG AAAGCACACA	ACAAACGAAG	GTAACCACTA	ATCTAGACAC
201	CACGCCTAAG TTATCAATTA	CTACTCTAGT	CTCGCGTAGA	AACTTCATTC
251	TTTATGGAGA GTGCTAGTAC	TAGACTACTT	AATATAATAG	TAAGCGACAA
301	ACCCACGACG ATGAGAATGT	ACCTCACTTA	CGTAGTCAAT	TAAGTCGAAA
351	AGGAAATCTT GAACACTTAC	TTTATTAAAG	AAGTATTCCC	CGAGGTACAG
401	GAGAGGAGAG CACGCCAATA	ACTCCAGCAC	TCCTCCGAAA	CCTTTCTCAC
451	TCTCTACCCT TTTTCTCCAC	ACAACTAAAA	TGATGTCTAA	TGTATGAAAG
501	TGAGTTGTAC TCTATTTTGT	TGTGTGTTTG	GAAGTGAAAT	TAGCTCATCC
551	TTTTATAGCA ACTTAATGGT	CGGTTGTAGG	TTGGTAATTA	AGTCGGTAAA
601	CACTCACAAC CACCATCGTC	AACCAATAGG	AGATCGCCAC	ATGATCGAAA
651	GCTGACAGTT AGGGGTGCCA	ACCCTGTTTT	GTCCGAACCA	AGCAAACAAC
701	CTCTATCTAG GACCTCTCTT	CTATGTCTGA	CAAGTCGGCC	CATATGGCGG
751	TGCACTATGG ATTAAGTCAA	TTTCAGTCGT	TTTGGACTGT	CATGTGGGCC
801	CTTCCAATCC TTGTGCTCCC	ATATGATTGG	TCGAAAGTAC	ATTTAATTCC
851	TGGGTGAGTG CTAGAACTAA	TATGATAGAT	GTGCTCCGGC	TCCTGGGAAA
901	GAGGCCACTT GACATACTTG	GGGTAGTGCC	CCAAGGGTAT	TCCCTATCGC
951	TTTTTCATAA TTTTCTCTCT	CCAAAATCGG	ACGGAAACAA	TAAAAAGAG
1001	AGGCGATGTT CATCGGCAAA	TATCTATTTT	TTTGATAGTG	TCTTCCCTTA
1051	AAACTTGATT TTTGCGAAGA	CTTCCGGCTA	AAACCATGA_A	ATCAGAGTTC
1101	CTTGTAACAA ATTTAATTTG	CCTAAATACA	AAAAAGATCG	AATGGAGATA
1151	GCATTAAACT TGCTCCATAC	GAATCATATT	AGTTGGACCG	TAACTCATAG
1201	AAAAAGTTGC AAGTTGGTTG	ACCTATCAAC	CCTCTTATGT	TGACCGTAAA
1251	CCTGTTATGC ATTAAGGATT	AAGTACCGGC	AGATCGTCAC	TACTCACGAA
1301	TGCACAAATT TCCGGTAACG	TAGGATGGGA	TGAGTTGGTC	ACAAACGGGT
1351	CACCACGTCG CCCAACCTGC	CGCGATCGAG	CCATTGGCCG	GCGATGCACG
1401	CCCTTTGACA CAGCCGCCCG	cccccccc	GCCCGCCCCC	GTTTTTAATA
1451	AAAACCGGCC GCCCCTGTC	AAAGGTGTCA	AAGTGTCAAG	TGCATCAGAG
1501	CTAAGCTAGC GGTCACCLAC			
1551	TATUGGATCA TGGCAGGTGG			
1601	GCCGACGTGG GCGGTGGCCC			
1651	CCGCCATGGA GCACGGCCTC		_	
1701	CGCGGTGTGC TCATCTCTCC			
1751	CTTGTGACAT CTCAATTAAC			
1801	GTGGCGATAC TCCTTGCAT			
1651	CATGGGGAC GCCCTCGAC	DALANDTRDA _, A	AGGTCACCC1	CAGCCTCAGC

FIG	URE 8 co	ont'd			
1901	TCACCCTCAG	CCTCCATCTC	TAAATATTTG	ACGCCGTTGA	CTTTTTTAAA
1951	TATGTTTGAC	CATTCGTCTT	ATTTAAAAAA	TTTAAGTAAT	TATTAATTCT
2001	TTTTCTACCA	TTTGATTCAT	TGCTAAATAT	ACTATTATGT	ATACATATAG
2051	TTTTACATAT	TTCACTAAAG	TTTTTAAATA	AGACGAATGG	TCAAACATGT
2101	TTAAAAAAGT	CAACGGCGTC	AAACATTTAG	GAAGAAGAGA	ATATTATATT
2151	GCTGCTCCCC	TCTAGCCACT	TTGCTGCCTC	CCTCGTCATT	TTTTCAAGTA
2201	TTTTACGCAA	GACTGGTCCT	CCAAATCAAA	CGTCACAAAT	AAGCCATTTA
2251	TAGTTTCCTT	TCGCTTTTTA	AGGGGGACTA	CTTGTATTTA	ATCATGGAGG
2301	AAACTACCAG	TCGGATGTCC	GATTACTTAA	AAAAAAATTC	GGGGGACTAA
2351	TTTTTTTGGC	TGATCATCGG	TGAAATATTA	GGTTATATAT	GTTGAAAAA
2401	AATCAGCCAC	AAACAATGAA	ATATTTTGTG	AAACACATAT	TAGACACGTT
2451	GAAACGTATC	ATTGTTACGT	ATAAAACATC	GAATGTTAAC	AGATTAAAAC
2501	ATATGTTTTT	TTTTAATCAG	AATATAATCA	TGCGATATAT	TATTGTAAAG
2551	ATATAATTAC	AACGAATACA	ACAGTGCGAT	CGGATTATAT	ATATATTAGT
2601	AGTTTAAGAG	AAAAATCATT	TTGAAGATTA	CTAGATACAT	ACACGTATAG
2651	ATGGATGAAG	TGGAGAGAGA	TTAGAGATAA	GTAGTTATAT	GAATTTTGTG
2701	AAACACACTT	AAGACATATG	TTCAAACATA	CTGCTATTAT	GTATGAAATA
2751	TTGAGTTTTA	ACGGTTTAAA	ACACATATTC	TTTTAATTAG	AATGTAATAA
2801	TGTGATATCT	TGTTGTAAAA	TTTAATTACA	TCTAATATAA	CGGTGTGATT
2851	AGATTGTATG	TTGGATAACA	TGCCCATCGG	TTGGCTTATT	TAGGGAATAA
2901	GCCAAATGGT	ATATTTGCAA	ACGAAAAATA	ATTTGTAAAT	AAAACTTTTA
2951	TGTATGTATT	CTTAACGATC	TAGCAGCAAA	GGCTGAAAAA	TAAACTTCGA
3001	TGAAAAATCT	CAAAATCAAC	TCTTAAAATT	TAAATTTTGG	CTTATAAGTA
3051	TAGTTCCTAA	CTAGTTTAGA	AGAAAAAATA	TTTAAAGCGG	GGAAGAGGAA
3101	AAGGAATAAA	CTAATAGCTA	AATTATTGCA	TGCATGTAGC	GATTTGAGGA
3151	CGACCGAGTT	GTTTTGTCTG	GATCAGCCGA	CCGAGACAGA	GCAATCTTCT
3201	TTAATCATAA	ATAACCAGAA	AAACCATACC	AGTTCATCAC	AATGGACCGA
3251	GTCAGAGTCA	TTACATATTT	TTCATTGTTG	CGCACAGGAT	TCACCATGTT
3301	CTTATGGGAA	ATATTTTTAA	CTCTCAAATG	GTTATGATTT	TGAACTCTCA
3351	TTTTTGAGAG	AGAATTAACA	AGCGAGCGAG	CAATCAGGCC	AAAAAGGGAG
3401	AAAGAAAATT	ATTTTTGTTA	ATTTTTTTT	AAGGTAGGGT	GGAGGAGTCA
3451	TTACATGATT	TTTTTTTATA	TTCCCTCGTT	GATTATATGC	TGTTCAAATG
3501			TAACAACAAT		
3551	TCATTTCACG	AGCATATAGG	ATTAAATTTA	ACTTCTGTAA	ATTACAAAAC
3601			ATACATTAAA		
3651			TTTGTAAAAT		
3701			TAACACGCAA		
3751			ATCTGCACTT		
3801	CTTCATATCC	CTGCTTCTCA	CCGTGGCACA	GGCGCCCATC	TCCAAGATCT

FIGURE 8 cont'd

3851	GCATCCCCAA	GTCGGCTGCC	AACATCTTGT	TGCCGTGCAA	GGCAGGCCAA
3901	GATGCCATCG	AAGAAAGAAG	CAGCAAGTGG	TCGCCGGTCC	TTGGCCGGCG
3951	CCGGCGGCGG	GGACTACTGC	TCGAAATTCG	ATGTGAGAAT	AACACCAGCT
4001	GCCGGCAAGC	ACAACCTCGA	TGCAATAACT	AATTTAACTA	TAATTGATTT
4051	TTCTTGGGTT	TTCTGCAGGG	CAAGGTGGCG	CTGATGTCGG	CAAAGAGCAT
4101	GCACCAGCTG	CACATTTTCA	TCTTCGTGCT	CGCCGTGTTC	CATGTTACCT
4151	ACTGCATCAT	CACCATGGGT	TTAGGGCGCC	TCAAAGTGAG	TTTGTCGTTC
4201	TGTCCCTCAT	GCACATGTTT	TCTCTAGTTC	TAGCAAGATT	GTCAGTCCTT
4251	CAAATGGATT	GTTTCGACAA	GAAACCCAAT	TTATTAATTT	GCCAGTAAAT
4301	АТАТААТААТ	TGATCTTTCT	TGGTTTTAGA	TGAAGAAATG	GAAGAAGTGG
4351	GAGTCACAGA	CCAACTCATT	GGAGTATCAG	TTCGCAATCG	GTAGTGAATT
4401	AAGAATCTCC	CTAACTATTT	CATTTCAGAA	CCTTTATGAT	AATGTCTTGA
4451	AAGAGGAGGA	GCAAATCAGC	TGAAAAATAT	GATCGATCCA	TGCAGATCCT
4501	TCACGATTCA	GGTTCACGCA	TCAGACGTCG	TTCGTGAAGC	GGCATCTGGG
4551	ATCATTCTCA	AGCACCCCTG	GGCTCAGATG	GATCGTGAGT	TATCAATCTC
4601	CGAATACATG	CTTGTTTTTT	ATTCTTGCAA	CTGGCCTAGC	TGTTCCAATT
4651	CAATCCATAT	TTTTTGAAAA	AAAAAATATT	CATGCCGTGT	TTGTTGTTAG
4701	GTAGCATTCT	TCAGGCAGTT	CTTTGGGTCC	GTCACCAAGG	TGGACTACCT
4751	GACCATGCGG	CAAGGCTTCA	TCAATGTATA	TACTAATCAA	ACCTGACCAA
4801	TTCAACATTG	ATGATGCAAA	CAGAGACCAG	GTTTTTTTT	TCGAGTGTGC
4851	ATTGAGTAAT	GGTTTTAGCT	TCTTCTCTTT	TGCAGGCGCA	TTTGTCGCAG
4901	AATAGCAAGT	TCGACTTCCA	CAAATACATC	AAGAGGTCTT	TGGAGGACGA
4951	CTTCAAAGTT	GTCGTTGGCA	TCAGGTCCGT	CCTCGCTTTA	TTAATTATAG
5001	GACTCTTATA	TTCAACATTT	TTTTTATAAA	GAAACATATT	TAGTCTCCAG
5051	TTGTGTATGT	GTATGTGGAT	CTTGACACAT	TTGGCTGGTT	TTGCAGCCTC
5101	CCTCTGTGGT	TCGTCGGAAT	CCTTGTACTC	TTCCTCGATA	TCCACGGTAA
5151	TCCTTGTCCT	ATTTCATTCT	TTTTTTTACT	CTCAAAACCT	TGTTCTGAAT
5201	TGGTCTTATA	ATCACCATCG	ATTTTTTTC	AACTTTTTCC	CCGCGTGTAG
5251	GTCTTGGCAC	ACTTATTTGG	ATCTCTTTTG	TTCCTCTCAT	CGTAAGAGCG
5301	AAATTTCCCT	GTCCAAAGAA	ACAGTTAACA	TAATTAATTA	TGCTTTAATT
5351	TATCATGAAA	ATTAATATGA	TCATATAACT	AATGAACAAA	CATTCATGTG
5401		TTGTCTCAGA			
54 51		GGAGATGGCC			
5501		CTATGGTTGA			
5551		GTCTTGTTCT			
5601		AAACCTTGCT			
5651		CTAATTAACT			
5701		CGACGGATCG			
5751	ATTTCGTATG	GACTATGGTG SUBS	TGTATGCTAC TITUTE SHEET	(RULE 26)	GTTGCCATTA

Figure 8 cont'd

3001	ICAGITCITA	AGCAAATTAA	GTGTGATGCA	TGCACTGACT	AATGAGACAA
5851	AAAATGACAC	AGCTTGTTCA	TCGATCTGGT	TGTTTTGTGT	GTGACAGGCA
5901	ACACCTGGTC	TGAAGAAATC	CTTCCATGAA	AATATTTGGC	TGAGCATCGT
5951	GGAAGTCATT	GTGGGGATCT	CTCTTCAGGT	GCTATGCAGC	TACATCACCT
6001	TCCCGCTCTA	CGCGCTCGTC	ACACAGGTGA	ACAAGCCATT	CACAAATTCT
6051	ATTAGCCGTT	TCTTAATTGA	TGACACTGTT	AATTTTTAGA	CACACGTTTT
6101	GACCATTTGT	CTTATTAAAA	ATATTTATGT	AATTATCATT	TGAGTTGTTT
6151	TATCACTAAA	AGTACTTTTT	AAATAATTTA	TATTTTGCAT	TTGTACAATT
6201	CTTTTAATAA	GATAATGGTC	AAACATGTGT	CCÄAAAGTTA	ACAGCATCAT
6251	CTATTAAGAA	AAGGAGGGGT	TTTTTTTTTT	TGGAATTTTG	CAAAATTTGT
6301	TCAAAATCAG	тссаааасст	TTTTTTTTT	CGAAATTTCA	GTTTCACTAC
6351	CAGTCCCCAT	AAAATGTCTT	TTCTTTATTT	CCACAAGATT	GAACCCATGA
6401	GATGCCCTTT	GTGTTGGTAT	GTGTTTTGGC	CATCACTTGC	AGATGGGATC
6451	GAACATGAAG	AAGACAATTT	TCGAGGAGCA	AACGATGAAG	GCGCTGATGA
6501	ACTGGAGGAA	GAAGGCGATG	GAGAAGAAGA	AGGTCCGGGA	CGCCGACGCG
6551	TTCCTGGCGC	AGATGAGCGT	CGACTTCGCG	ACGCCGGCGT	CGACCCGGTC
6601	CGCGTCGCCG	GTGCACCTGC	TGCAGGTCAC	AGGGCGGGTC	GGACGCCCCC
6651	CGAGCCCAAT	CACGGTGGCC	TCACCACCGG	CACCGGAGGG	GACATGTACC
6701	CGGTGCCGGC	GCCGCTGCG	TCTCGCCAGC	TGCTAGACGA	CCCGCCGGAC
6751	AGGAGGTGGA	TGGCATCCTC	GTCGGCCGAC	ATCGCCGATT	CTGATTTTTC
6801	CTTCAGCGCA	CAACGGTGAC	GGGGGCGATC	GGTTTCTGTA	TTGATGCTGT
6851	ACCAAACATA	GGAGTTTAAT	ATATATAA	TTGTTACGGT	AAAATCTAAT
6901	TATTGTGCGC	GCACTTATAT	TAGTCTTATA	GCGCGACTGG	TTCGTGATTA
6951	GACAAGGTGA	TGCATGCTGT	TTAGTTATAA	AGGATATCAG	CGCAGCTAAA
7001	AAAACTTACT	СССТАСТТАЛ	TAGATGACCT	CGTTGATTTT	TAACATTATT
7051	CGTCTTATTT	AAAAAATTTA	TGCAAATGTT	TAAAACATAA	ATCATGCTTA
7101	AAGTACTTTT	AGTGATAAAA	САЛСТТАСАА	СААААТАААТ	TATACTTACC
7151	TAATTTTTT	TAATAAATCG	ANTGG		

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1	TTATACCATO	G TGAGAAAGGC	TGGAAGCATA	TGCTCTTAGC	AGGGACGCGT
. 51	GCATGTTTAT	T ATAGGAGGCA	TAAGCCGAAG	AGATATACAT	GAGGAGAGGT
101	TTAAGATCAG	TCTATCTTAT	TTACAGTTTA	AACACAAGGA	GATAGAAAGA
151	GATCCTAACC	TACACATGTT	ATACAAGTCA	CGTATAATAC	AAGAGTTATT
201	TCGTCTAACA	CCCTCCCCTC	TGATATGATA	AGTCGCCGGG	AGAGAGAGAG
251	AGTGTGTGGC	TGCCCTCGCT	GCACTGCACG	CACATGTTTA	CTTCTCCGAC
301	TGAAACCACG	GTGAAACCGG	CGGCGGTGTC	GCACTCCCCT	GACTITCCTC
351	GCCGGGGTCC	CGTCCGGACA	ATTAAACCGT	CTGTACCTGC	CGGGCGTCGA
401	CCCGATCGTG	ATGTGGCGCC	GCTTTGTCTG	CAGCGAGCTG	CGTGGCCGAT
451	GGCAACAAAA	CTGCGGTCAC	ATACATGCAT	ACCCCGCATA	CCCCGACGCT
501	CACCAGTAAG	TAGGCTGTGG	TGCGGCACCA	CGGGCTCGCC	GCCATTCATG
551	CCATGCATGG	GCCACCCGCC	GGCGAAACCG	CGGCGCTGCT	GCCTGCCACC
E 01	CCGCCGCCGT	TGACGAAGAC	TTCGCCCGGC	CATCCATAAA	AGCATGCATG
5 51	GCTTGCTCTC	ACCGGTCCGG	CCACACACAC	CACACTTCAC	TTCGCCATTC
701	GCACCACCGA	GAGCGTAGCG	TAACGTGTGT	TTGAAGTCCT	ACCATTAATT
751	TTGCTGGATC	GATGGCTGGG	CCGGCGGGAG	GTCGGGAGCT	GTCGGACACG
801	CCGACGTGGG	CGGTGGCGGT	AGTCTGCGCC	GTCATGATAC	TCGTCTCCGT
851	CGCCATGGAG	CACGCGCTCC	ACAAGCTCGG	CCACGTACGT	GCTCTCGGTT
901	CACTAGTGCT	TAACTGTTTT	TGATGTTTTC	GGGCGTGTTT	GGTAGCCTGC
951	ATGGAGAGTG	TATGAGCCCA	AAAGTTCCCT	CCCCGACCCA	CTTTTCGCTG
1001	TTTGGTAGGG	TGTATGGGCT	GAGGAGAGCA	TGCATCAACT	GATGCAAAAA
1051	GGGCCTCAGC	ATAGCTGAGC	CCAGCACCCC	CGCAGAGGCG	AGCTGAGGCG
1101	AGTTATGCTG	AGCCCATGCA	CCCTCGCCCC	GTCGCCCCGT	CGCCCCGTCG
1151	CTCCCCCCT	GCACCTCTTC	CTCCTCCCTC	TTCCTACCAA	ACACAGTCTC
1201	ATCCAAACAT	GTAACAACAC	ATGCATGACC	ACCAAACAAC	TGAAGATGAA
1251	TGTATTCATC	ATGTCTATAC	TTACCATGCA	TCAACAGGGA	ACAACTATGC
1301	TAGGGTGAGA	ACAGCTGCCA	AACACACCCG	TGCACCTACT	CATGCTGTGC
1351	CGGCGCTGGC	GTACGTGTGC	AGTGGTTCCA	CAAGTGGCGC	AAGAAGGCCC
1401	TGGGGGAGGC	GCTGGAGAAG	ATGAAGGCGG	AGCTCATGCT	GGTGGGCTTC
1451	ATATCCCTGC	TCCTCATCGT	CACGCAGGAT	CCCGTCTCCA	GGATCTGCAT
1501	CTCCAAGGAG	GCCGGCGAGA	AGATGCTCCC	GTGCAAGCCT	TACGACGGCG
1551	CCGGCGGTGG	CAAAGGCAAG	GACAATCACC	GGAGGCTTCT	CTGGCTCCAA
1601	GGCGAGAGCG	AGACCCACCG	CCGGTTCCTG	GCTGCCCCGG	CCGGAGTGGA
1651			GCACCTAGCG		
	GCTAATGAGC				
	AATTGGTTGT				
	CAACTGCACA				
1851	CGTCGTCACC	ATGACCCTAA	GCCGTCTCAA	AGTGAGCATC	ATACTCGAGC
		•			

1901	TGTTTGTCAA	TAATCCTTGG	TTTCCAATCC	AATTCCAAAG	CTGGCACTGA
1951	TCCTGCTCCG	GCTTCCTGCA	GATGAAGCAA	TGGAAGAAGT	GGGAGTCGGA
2001	GACCGCCTCG	CTGGAGTATC	AGTTCGCGAA	TGGTCAGCTT	CAACTTTTCT
2051	TACTGAAACC	GGATGCATTT	ACAACAAACG	CACGCACGAT	CAATCATCAC
2101	AGTGTGAGCC	GATACGTTGA	ACCGATTGAA	TCCTCGCAGA	TCCATCGCGG
2151	TGCCGGTTCA	CGCACCAGAC	GACGTTGGTG	AGGCGGCACC	TGGGCCTCTC
2201	CAGCACCCCC	GGCGTCAGAT	GGGTGGTGGC	CTTCTTCAGG	CAGTTCTTCA
2251	CGTCGGTGAC	CAAGGTGGAC	TACCTGACCT	TGCGGCAGGG	CTTCATCAAC
2301	GCGCATCTCT	CGCAGGGCAA	CAGGTTCGAC	TTCCACAAGT	ACATCAAGAG
2351	GTCGTTGGAG	GACGACTTCA	AAGTCGTCGT	CCGCATCAGG	TACGCGCCAT
2401	TCCTTTCTCT	GCACAAATTA	ATACATCCAC	CACCACATAG	GTAGATAGAT
2451	AGATCGATAG	ATAGATTATA	CAAGTGCCGG	TACGTACGTA	CGTCTCATAT
2501	GATCTTGACA	CATCTGTCCT	CTTGCCGCAG	TCTCAAGCTC	TGGTTCGTGG
2551	CGGTCCTCAT	CCTCTTCCTT	GATTTCGACG	GTAGCCGCCT	TGTCCATGCC
2601	CTGCTCGCCC	TCTCCTCCGC	TTCTCTCCAT	AATTTGTGAA	CTTGTCCCGT
2651	ATATAACCAC	ACCACCGTCG	TCTTCTCGCA	GGGATCGGCA	CTCTTCTCTG
2701	GATGTCCGTG	GTTCCTCTCG	TGGTAAGTCC	ACAATTTGAA	TAGACAACCT
2751	GTCCAATTGT	GATGTACAGT	ACCTCCAAAC	TTAATTAACA	TGTCATTTGC
2801	TGATGTCTTG	CGTGTAACAT	TAGATCCTCT	TGTGGGTTGG	GACCAAGCTG
2851	GAGATGGTGA	TCATGGAGAT	GGCCCAGGAG	ATCCATGACC	GGGAGAGCGT
2901	CGTCAAGGGT	GCTCCCGCCG	TCGAGCCCAG	CAACAAGTAC	TTCTGGTTCA
2951	ACCGGCCTGA	CTGGGTCCTC	TTCCTCATGC	ACCTCACACT	CTTCCAGAAC
3001	GCGTTTCAGA	TGGCTCATTT	CGTGTGGACA	GTGGTACGTA	CAAGTACTTG
3051	TCACTTCACT	TAGGCTAACT	CCAACAAACG	ACCCCAAATT	AATGGTCCGT
3101	CGCGTCTGTT	TGGGGTATGT	TTGGGGTAAA	CGGACACAAA	ACTCAATCCA
3151	ACGCGCGGTA	GCAAACGAAC	GTTTTTCCGT	ACGTTTTCGT	CCGCTTTCGC
3201	CCCATCCCAG	CCCAAATTCG	TIGACGTIGT	TGCATCGCAG	GCCACGCCCG
3251	GCTTGAAGAA	ATGCTACCAC	GAGAAAATGG	CAATGAGCAT	CGCCAAGGTC
3301	GTGCTGGGGG	TAGCCGCCCA	GATCTTGTGC	AGCTACATCA	CCTTCCCGCT
3351	CTACGCGCTC	GTCACGCAGA	TGGGCTCACA	CATGAAGAGA	AGCATCTTCG
3401	ACGAGCAGAC	GGCCAAGGCG	CTGACCAACT	GGCGAAAGAT	GGCCAAGGAG
3451	AAGAAGAAGG	CCCGAGACGC	GGCCATGCTG	ATGGCGCAGA	TGGGCGGCGG
3501	CGCGACGCCG	AGCGTCGGCT	CGTCGCCGGT	GCACCTGCTC	CACAAGGCCG
3551	GGGCGCGGTC	CGACGACCCC	CAGAGCGTGC	CGGCGTCCCC	GAGGGCCGAG
3601	AAGGAAGGCG	GCGGCGTGCA	GCATCCGGCG	CGCAAGGTAC	CTCCTTGTGA
3651	CGGGTGGAGG	TCGGCCTCGT	CGCCGGCGCT	CGACGCTCAC	ATCCCCGGTG
3701	CAGATTTTGG	CTTCAGCACG	CAACGTTGAC	CGATCAGACA	AGTTCCTTTT
3751	TTTTTCGGTG	AATAGAAGCG	TATCATTICA	TTGATAGACA	GTAGAAATTA
3801	CAGGAATGGC	TGTCCTACTA	CTATGTACAC	AAGGGCACAG	CAAAGGATCA

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Figure 9 cont'd

101	LIGHTCLIGI	TACAAGAGCA	GTAGAAAGGG	ATTGCTCTCC	ATTGATCTTC
3901	TTAAGTTGTA	TGTCACAAAT	TGTTGCAGAA	AAAAGTGTAT	GTCATCCCAA
3951	CCAAGAGCTG	AGTTTGTGAT	GATTCGTGCA	ATÄAGAATTG	CAAGTTTCAC
1001	CGAGTCAAAA	ATGAAGCTTC	TAAGTACGCA	CCAACCAACG	GACTCTTTCA
1051	TCTCAACAAA	AGAACTGTAA	ATGGCAATAA	TTCTGATAAC	ATCGGAAGGG
1101	AGCTC				

Figure 10

ATGGCAGGTG GGAGATCGGG ATCGCGGGGG TTGCCGGAGA CGCCGACGTG GGCGGTGGCC GTCGTCTGCG CCGTCCTCGT GCTCGTCTCC GCCGCCATGG AGCACGGCCT CCACAACCTC AGCCATAAAA CCACCGCAGA AGTTCTCATA 151 TTTCTTGTCC TATCTCCACT TGCAGAGCTG ATGCTGCTGG GCTTCATATC CCTGCTTCTC ACCGTGGCAC AGGCGCCCAT CTCCAAGATC TGCATCCCCA AGTCGGCTGC CAACATCTTG TTGCCGTGCA AGGCAGGCCA AGATGCCATC GAAGAAGAAG CAGCAAGTGG TCGCCGGTCC TTGGCCGGCG CCGGCGGCG GGACTACTGC TCGAAATTCG ATGGCAAGGT GGCGCTGATG TCGGCAAAGA GCATGCACCA GCTGCACATT TTCATCTTCG TGCTCGCCGT GTTCCATGTT ACCTACTGCA TCATCACCAT GGGTTTAGGG CGCCTCAAAA TGAAGAAATG 501 GAAGAAGTGG CAGTCACAGA CCAACTCATT GGAGTATCAG TTCGCAATCG ATCCTTCACG ATTCAGGTTC ACGCATCAGA CGTCGTTCGT GAAGCGGCAT CTGGGATCAT TCTCAAGCAC CCCTGGGCTC AGATGGATCG TAGCATTCTT CAGGCAGTTC TITGGGTCCG TCACCAAGGT GGACTACCTG ACCATGCGGC 701 AAGGCTTCAT CAATGCGCAT TTGTCGCAGA ATAGCAAGTT CGACTTCCAC AAATACATCA AGAGGTCTTT GGAGGACGAC TTCAAAGTTG TCGTTGGCAT 801 CAGCCTCCCT CTGTGGTTCG TCGGAATCCT TGTACTCTTC CTCGATATCC ACGGTCTTGG CACACTTATT TGGATCTCTT TTGTTCCTCT CATCATCGTC TTGTTAGTTG GGACCAAGCT ACAGATGGTG ATCATGGAGA TGGCCCAAGA 901 GATACAGGAC AGGGCCACTG TGATCCAGGG AGCACCTATG GTTGAACCAA GCAACAAGTA CTTCTGGTTC AACCGCCCTG ACTGGGTCTT GTTTTTCATA CACCTGACAC TCTTCCATAA CGCATTTCAG ATGGCGCATT TCGTATGGAC 1051 1101 TATGGCAACA CCTGGTCTGA AGAAATGCTT CCATGAAAAT ATTTGGCTGA 1151 GCATCGTGGA AGTCATTGTG GGGATCTCTC TTCAGGTGCT ATGCAGCTAC 1201 ATCACCTTCC CGCTCTACGC GCTCGTCACA CAGATGGGAT CGAACATGAA GAAGACAATT TTCGAGGAGC AAACGATGAA GGCGCTGATG AACTGGAGGA 1251 AGAAGGCGAT GGAGAAGAAG AAGGTCCGGG ACGCCGACGC GTTCCTGGCG 1301 CAGATGAGCG TCGACTTCGC GACGCCGGCG TCGAGCCGGT CCGCGTCGCC 1351 1401 GGTGCACCTG CTGCAGGTCA CAGGGCGGGT CGGACGCCCG CCGAGCCCAA 1451 TCACGGTGGC CTCACCACCG GCACCGGAGG AGGACATGTA CCCGGTGCCG 1501 GCGGCGGCTG CGTCTCGCCA GCTGCTAGAC GACCCGCCGG, ACAGGAGGTG 1551 GATGGCATCC TCGTCGGCCG ACATCGCCGA TTCTGATTTT TCCTTCAGCG 1601 CACAACGGTG A

Figure 11

1	ATGGCTGGGC	CGGCGGGAGG	TCGGGAGCTG	TCGGACACGC	CGACGTGGGC
51	GGTGGCGGTA	GTCTGCGCCG	TCATGATACT	CGTCTCCGTC	GCCATGGAGC
101	ACGCGCTCCA	CAAGCTCGGC	CACTGGTTCC	ACAAGTGGCG	CAAGAAGGCC
151	CTGGGGGAGG	CGCTGGAGAA	GATGAAGGCG	GAGCTCATGC	TGCTGGGCTT
201	CATATCCCTG	CTCCTCATCG	TCACGCAGGA	TCCCGTCTCC	AGGATCTGCA
251	TCTCCAAGGA	GGCCGGCGAG	AAGATGCTCC	CGTGCAAGCC	TTACGACGGC
301	GCCGGCGGTG	GCAAAGGCAA	GGACAATCAC	CGGAGGCTTC	TCTGGCTCCA
351	AGGCGAGAGC	GAGACCCACC	GCCGGTTCCT	GCTGCCCC	GCCGGAGTGG
401	ACGTCTGCGC	CAAACAGGGC	AAGGTGGCGC	TGATGTCAGC	GGGAAGCATG
451	CACCAACTGC	ACATATTCAT	CTTCGTGCTC	CCCTCTTCC	ACGTCTTGTA
501	CAGCGTCGTC	ACCATGACCC	TAAGCCGTCT	CAÄAATGAAG	CAATGGAAGA
551	AGTGGGAGTC	GGAGACCGCC	TCCCTGGAGT	ATCAGTTCGC	GAATGATCCA
601	TCGCGGTGCC	GGTTCACGCA	CCAGACGACG	TTGGTGAGGC	GGCACCTGGG
651	CCTCTCCAGC	ACCCCCGGCG	TCAGATGGGT	GGTGGCCTTC	TTCAGGCAGT
701	TCTTCACGTC	GGTGACCAAG	GTGGACTACC	TGACCTTGCG	GCAGGGCTTC
751	ATCAACGCGC	ATCTCTCGCA	GGGCAACAGG	TTCGACTTCC	ACAAGTACAT
801	CAAGAGGTCG	TTGGAGGACG	ACTTCAAAGT	CGTCGTCCGC	ATCAGTCTCA
851	AGCTCTGGTT	CGTGGCGGTC	CTCATCCTCT	TCCTTGATTT	CGACGGGATC
901	GGCACTCTTC	TCTGGATGTC	CGTGGTTCCT	CTCGTGATCC	TCTTGTGGGT
951	TGGGACCAAG	CTGGAGATGG	TGATCATGGA	GATGGCCCAG	GAGATCCATG
1001	ACCGGGAGAG	CGTCGTCAAG	GGTGCTCCCG	CCGTCGAGCC	CAGCAACAAG
1051	TACTTCTGGT	TCAACCGGCC	TGACTGGGTC	CTCTTCCTCA	TGCACCTCAC
1101	ACTCTTCCAG	AACGCGTTTC	AGATGGCTCA	TTTCGTGTGG	ACAGTGGCCA
1151	CCCCCGCTT	GAAGAAATGC	TACCACGAGA	AAATGGCAAT	GAGCATCGCC
1201	AAGGTCGTGC	TGGGGGTAGC	CGCCCAGATC	TTGTGCAGCT	ACATCACCTT
1251	CCCGCTCTAC	GCGCTCGTCA	CGCAGATGGG	CTCACACATG	AAGAGAAGCA
1301	TCTTCGACGA	GCAGACGGCC	AAGGCGCTGA	CCAACTGGCG	AAAGATGGCC
1351	AAGGAGAAGA	AGAAGGCCCG	AGACGCGGCC	ATGCTGATGG	CGCAGATGGG
1401	CGGCGCGCG	ACGCCGAGCG	TCGGCTCGTC	GCCGGTGCAC	CTGCTCCACA
1451	AGGC:CGGGGC	GCGCTCCGAC	GACCCCCAGA	GCGTGCCGGC	GTCCCGAGG
1501	GCCGAGAAGG	ANGGCGGCGG	CGTGCAGCAT	, cccccccccv	AGGTACCTCC
1551	TTGTGACGCC	TGGAGGTCGC	CCTCGTCGCC	GCCCTCGAC	GCTCACATCO
1601	CCGCTGCAG	TTTTGGCTTC	AGCACGCAA.	GTTGA.	

1	GTTGGTACAT	AAAAGACTCT	TCCTTTGTCT	GTTTTTTGTT	CCCAGATTCA
51	TCTTTACTTA	TTGACTAAAT	TCTCTCTGGT	GTGAGAAGTA	AAATGGGTCA
101	CGGAGGAGAA	GGGATGTCGC	TTGAATTCAC	TCCGACGTGG	GTCGTCGCCG
151	GAGTTTGTAC	GGTCATCGTC	GCGATTTCAC	TGGCGGTGGA	GCGTTTGCTT
201	CACTATTTCG	GTACTGTTCT	TAAGAAGAAG	AAGCAAAAAC	CCCTTTACGA
251	AGCCCTTCAA	AAGGTTAAAG	AAGAGCTGAT	GTTGTTAGGG	TTTATATCGC
301	TGTTACTGAC	GGTATTCCAA	GGGCTCATTT	CCAAATTCTG	TGTGAAAGAA
351	AATGTGCTTA	TGCATATGCT	TCCATGTTCT	CTCGATTCAA	GACGAGAAGC
401	TGGGGCAAGT	GAACATAAAA	ACGTTACAGC	AAAAGAACAT	TTTCAGACTT
451	TTTTACCTAT	TGTTGGAACC	ACTAGGCGTC	TACTTGCTGA	ACATGCTGCT
501	GTGCAAGTTG	GTTACTGTAG	CGAAAAGGGT	AAAGTACCAT	TGCTTTCGCT
551	TGAGGCATTG	CACCATCTAC	ATATTTTCAT	CTTCGTCCTC	GCCATATCCC
601	ATGTGACATT	CTGTGTCCTT	ACCGTGATTT	TTGGAAGCAC	AAGGATTCAC
651	CAATGGAAGA	AATGGGAGGA	TTCGATCGCA	GATGAGAAGT	TTGACCCCGA
701	AACAGCTCTC	AGGAAAAGAA	GGGTCACTCA	TGTACACAAC	CATGCTTTTA
751	TTAAAGAGCA	TTTTCTTGGT	ATTGGCAAAG	ATTCAGTCAT	CCTCGGATGG
801	ACGCAATCCT	TTCTCAAGCA	ATTCTATGAT	TCTGTGACGA	AATCAGATTA
851	CGTGACTTTA	CGTCTTGGTT	TCATTATGAC	ACATTGTAAG	GGAAACCCCA
901	AGCTTAATTT	CCACAAGTAT	ATGATGCGCG	CTCTAGAGGA	TGATTTCAAA
951	CAAGTTGTTG	GTATTAGTTG	GTATCTTTGG	ATCTTTGTCG	TCATCTTTTT
1001	GCTGCTAAAT	GTTAACGGAT	GGCACACATA	TTTCTGGATA	GCATTTATTC
1051	CCTTTGCTTT	GCTTCTTGCT	GTGGGAACAA	AGTTGGAGCA	TGTGATTGCA
1101	CAGTTAGCTC	ATGAAGTTGC	AGAGAAACAT	GTAGCCATTG	AAGGAGACTT
1151	AGTGGTGAAA	CCCTCAGATG	AGCATTTCTG	GTTCAGCAAA	CCTCAAATTG
1201	TTCTCTACTT	GATCCATTTT	ATCCTCTTCC	AGAATGCTTT	TGAGATTGCG
1251	TTTTTCTTT	GGATTTGGGT	TACATACGGC	TTCGACTCGT	GCATTATGGG
1301	ACAGGTGAGA	TACATTGTTC	CAAGATTGGT	TATCGGGGTC	TTCATTCAAG
1351	TGCTTTGCAG	TTACAGTACA	CTGCCTCTTT	ACGCCATCGT	CTCACAGATG
1401	GGAAGTAGCT	TCAAGAAAGC	TATATTCGAG	GAGAATGTGC	AGGTTGGTCT
1451	TGTTNGTTGG	GCACAGAAAG	TGAAACAAAA	GAGAGACCTA	AAAGCTGCAG
1501	CTAGTAATGG	AGACGAAGGA	AGCTCTCAGG	CTGGTCCTGG	TCCTGATTCT
1551	GGTTCTGGTT	CIGCICCIGC	TGCTGGTCCT	GGTGCAGGTT	TTGCAGGAAT
1601	TCAGCTCAGC	AGAGTAACAA	GAAACAACGC	AGGGGACACA	AACAATGAGA
1651		TCATAACAAC			
1701		CAGATTTTAG			
1751		GACTTGATTT			
1801	GATTAGAATT	GGGAAATTGA	ATCTGTTTGT	ATATTGTATT	ATTTGGAACA
1851	TTGTGGATGC	CCATGGATAT	GTTTCTGTTC		

1	MAGGRSGSRE	LPETPTWAVA	VVCAVLVLVS	AAMEHGLHNL	SHKTTAEVLI
51	FLVLSALAEL	MLLGFISLLL	TVAQAPISKI	CIPKSAANIL	LPCKAGQDAI
101	EEEAASGRRS	LAGAGGGDYC	SKFDGKVALM	SAKSMHQLHI	FIFVLAVFHV
151	TYCIITMGLG	RLKMKKWKKW	ESQTNSLEYQ	FAIDPSRFRF	THQTSFVKRH
201	LGSFSSTPGL	RWIVAFFRQF	FGSVTKVDYL	TMRQGFINAH	LSQNSKFDFH
251	KYIKRSLEDD	FKVVVGISLP	LWFVGILVLF	LDIHGLGTLI	WISFVPLIIV
301	LLVGTKLEMV	IMEMAQEIQD	RATVIQGAPM	VEPSNKYFWF	NRPDWVLFFI
351	HLTLFHNAFQ	MAHFVWTMAT	PGLKKCFHEN	IWLSIVEVIV	GISLQVLCSY
401	ITFPLYALVT	QMGSNMKKTI	FEEQTMKALM	NWRKKAMEKK	KVRDADAFLA
451	QMSVDFATPA	SSRSASPVHL	LQVTGRVGRP	PSPITVASPP	APEEDMYPVP
501	AAAASRQLLD	DPPDRRWMAS	SSADIADSDF	SFSAQR*	

1	MAGPAGGREL	SDTPTWAVAV	VCAVMILVSV	AMEHALHKLG	HWFHKWRKKA
51	LGEALEKMKA	ELMLVGFISL	LLIVTQDPVS	RICISKEAGE	KMLPCKPYDG
101	AGGGKGKDNH	RRLLWLQGES	ETHRRFLAAP	AGVDVCAKQG	KVALMSAGSM
151	HQLHIFIFVL	AVFHVLYSVV	TMTLSRLKMK	QWKKWESETA	SLEYQFANDP
201	SRCRFTHQTT	LVRRHLGLSS	TPGVRWVVAF	FRQFFTSVTK	VDYLTLRQGF
251	INAHLSQGNR	FDFHKYIKRS	LEDDFKVVVR	ISLKLWFVAV	LILFLDFDGI
301	GTLLWMSVVP	LVILLWVGTK	LEMVIMEMAQ	EIHDRESVVK	GAPAVEPSNK
351	YFWFNRPDWV	LFLMHLTLFQ	NAFQMAHFVW	TVATPGLKKC	YHEKMAMSIA
401	KVVLGVAAQI	LCSYITFPLY	ALVTQMGSHM	KRSIFDEQTA	KALTNWRKMA
451	KEKKKARDAA	MLMAQMGGGA	TPSVGSSPVH	LLHKAGARSD	DPQSVPASPR
501	AEKEGGGVQH	PARKVPPCDG	WRSASSPALD	AHIPGADFGF	STQR*

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Figure 15

1	MCHGGEGMSL	EFTPTWVVAG	VCTVIVAISL	AVERLLHYFG	TVLKKKKOKP
51	LYEALQKVKE	ELMLLGFISL	LLTVFQGLIS	KFCVKENVLM	HMLPCSLDSR
101	REAGASEHKN	VTAKEPFQTF	LPIVCTTRRL	LAEPAAVQVG	YCSEKGKVPL
151	LSLEALHHLH	IFIFVLAISH	VTFCVLTVIF	GSTRIHQWKK	WEDSIADEKF
201	DPETALRKRR	VTUVHNHAFI	KEHFLGIGKD	SVILGWTQSF	LKQFYDSVTK
251	SDYVTLRLGF	IMTHCKGNPK	LNFHKYMMRA	LEDDFKQVVG	ISWYLWIFUV
301	IFLLLNVNGW	HTYFWIAFIP	FALLLAVGTK	LEHVIAQLAH	EVAERHVAIF.
351	GDLVVKPSDE	HEMESKEGTA	LYLIHFILFQ	NAFELAFFFW	IWVTYGFDSC
401	IMGQVRYIVP	RLVICVFIQV	LCSYSTLPLY	AIVSQMGSSF	KKAILEENVQ
451	VGLVGWAQKV	KQKRDLKAAA	SNGDEGSSQA	GPGPDSGSGS	ÄPAAGPGAGF
501	AGIQLSRVTR	NNAGDINNEI	TPDHNN*		

FIGURE 16

NEW NEW PERSON	**************************************	> H H H C	RRESE SESE VIT	ESESE BUDDO	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	00000 4404 :
KALMEALE EVLIFLWE KPLYEALO K-L-EALO	G K G K D N H R E B A S G R K H R N V T A S G R K H R N V T A K E	VFHVLYSV VFHVTYSV VFHVTECV SHVTECV VFHVTECV	SSTPGV. SSTPGI. SSTPGL. GKDSVIL. SSTPG	VVRISLR VVGISLP VVGISLP VVGISLP VVGISLP	VIXKGAPA VIXGAPV VIQGAPW AIEGDLV VI-GAP-	SIAKVVL SIWKVVV SIVEVHV SI VV
LGHWFHKWRK LGHWFOHRHK LGH···KTTA BGTVLKKKO	· · K P Y D G A G G · · · K A G O D P · · · E A G D P · · · · · · · · · · · · · · · · · ·	QLHIFIFVLA QLHIFIFVLA QLHIFIFVLA QLHIFIFVLA QLHIFIFVLA	TEVERHLG. L SFVKRHLG. L SFVKRHLGSF AFMKEHIELGI FVKRHLG	KRSLEDDFKV KRSLEDDFKV MRALEDDFKV KRSLEDDFKQ	MACEIHDRESMACEIHDRESMACEIORAS MACEIODRAS MACEIODRAT MACEIORAT	KKCYHEKMAM KKCYHTQIGL KKCFHENIWL DSCIMGQVRY KKC-H
SVAMEHALH SVLMEHGLHK SAAMEHGLH SLAMERLLHY S-AMEH-LH	AGEKNLPCANDVMMPCANIMPC	VALMSAGSMH VALMSTGSLH VALMSAKSMH V间LMSLEALH VALMSLEALH	RERFTHOT RFRFTHOT WRRVTHVHNH R-RFTHOT	ONE DEHKYINSKFDFHKYINSKFDFHKYINSKFDFHKYINNPKYINNPKYINNPKYINNPKYINNPHKYIN	GTKLEMVINE GTKLEMWINE GTKLEMVINE GTKLEMVINE GTKLEMVINE	FVWTVATPGL FVWTMATPGL FVWTMATPGL FFWIWVTYGB
AVVCAVMULV AVVCAVLVLV AGVCTVIVAN AVVCAV-VLV	INSECTOR SKE INKICISKE ISKECTPKS ISKECT PKS ISKECT FKS	DV.CAK.QGK V.YCP.EGK DY.CSKPDGK QVGYCSEKGK	LEYOFANDPA LEYOFANDPA LEYOFAIDPS EXMINPETALR LEYOFA - DP -	OGFINAHLSO OGFINAHLSO LGFIMTHCKG	V V P L V I D L W V F L V I D L W V F L V I L L C C V F I I W L L L V I L L L V I L L V I L L V I L L L V I L L L L	LFONAFOMAH LFMNAFOMAH LFMNAFOMAH LFONAFOMAH
ELPETPTHAV ELPETPTHAV SIBETPTHAV SIBETPTHAV BLTPTHAV	SELLIVEODP SELLIVEODP SELLIVEODP SELLIVEOG.	RRFLAAPAGV RRLLAEHAAV 	WKKWETETAS WKKWETETTTS WKKWEDOTTS WKKWEDSIAD	V T K V D Y L T L R V T K V D Y L T L R V T K V D Y L T W R V T K S D Y W T L R V T K V D Y L T L R	DGIGTLLWWS NGVGTLIWIS HGLGTLIWIS NGWHTYFWIA	DWVLFLMHLT DWVLFFIHLT DWVLFFIHLT GIVLMLTHMI
MAGGRAGORGE GRAGE	KAELMLVGFI KAELMLVGFI KEELMLLGFI KAELMLLGFI	LWLQGESETH KYVD QTFLPIVGTT	HTESREKMRT MGEGREKMRT VIEGSTEMHO	VAFFROFFRS VAFFROFFRS VAFFROFFGS QSFIGIROFFDS VAFFROFF-S	VAVLEDEDDE VAILTEDEDDI VGILVEEDDI FVVIFIMENV V L-LFLD-	SNKYFWFNRPSNKYFWFNRPSNKYFWFNRPSNKYFWFRPSNPPSNKPSNPPSNPPSNPPSNPPSNPPSNPPSNPPSNP
Hvmlo-Hl Mlo Osmlo-Hlm Atmlo-Hl Consensus	Hvmlo-H1 Mlo Osmlo-H1m Armlo-H1 Consensus	Hvmlo-H1 Mlo Osmlo-H1m Atmlo-H1 Consensus	Hvmlo-Hl Mlo Osmlo-Hlm Atmlo-Hl Consensus	Hvmlo-H1 Mlo Osmlo-Hlm Atmlo-H1 Consensus	Hvmlo-H1 Mlo Osmlo-H1m Atmlo-H1 Consensus	Hvmlo-H1 Mlo Osmlo-H1m Atmlo-H1 Consensus

FIGURE 16 (CONT/D)

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DAAMLMAOMG DTDMLMAOMI DADAFLAOMS AAASNGDEGS DA AOM -	GGVQHPARK VVVVAHPVHR VVPAAAASRQ PDHNN*	
KMAKEKKKAR NTAKEKKKVR KKAMEKKKVR QKVKQKRDLK AKEKKK-R	RAEKEG RTQQEARDMY SPPAPEEDMY NAGDTNNEIT	
of the St Call	DDPQSVPASPGRPBSPGRPBSPGRPBBPTRVAGGRPPSPTRVAGGRPVAGGRVAGGRVAGGRVAGGRVAGGRVAGGRVAG	# • # • 1
X X X X X X X X X X X X X X X X X X X	OSHAI	A A S
PLYALVTOMGPLYALVTOMGPLYALVTOMGPLYALVTOMGPLYALVTOMGPLYALVTOMGPLYALVTOMG	PMPSRGSSPV PASSRSASPV SGSAPAAGPV SBPV	0 64 • • 1
A Q I L C S Y I T F L Q V L C S Y I T F I Q V L C S Y I T F I Q V L C S Y S T F - Q - L C S Y - T F	GGAT GDATPSRGSS VDFAT SQAGPGPDSG	V . PPCDGWR L . NPNDRRR L L D D PPDRRW
Hvmlo-H1 Mlo Osmlo-H1m Atmlo-H1 Consensus	Hvmlo-Hl (Mlo Osmlo-Hlm Atmlo-Hl	Hvmlo-H1 Mlo I Osmlo-H1m I Atmlo-H1m I Consensus

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